

## Compressor Solenoid Valve S5014 Series (G3/8", G1/2", G3/4", G1")

### GENERAL FEATURES

- Wide pressure range, flow rate and orifis options.
- Solenoid valves are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation. coil to be used in a vertical position.

### ELECTRICAL CHARACTERISTICS

|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Continuous Duty          | : ED %100                                                                                         |
| Coil Insulation Class    | : H (180°C)(IEC 85)                                                                               |
| Coil Impregnation        | : Polyester Fiber Glass                                                                           |
| Ambient Temperature      | : -10°C, +60°C                                                                                    |
| Protection Degree        | : IP65 (ISO 60529) On request; IP68                                                               |
| Electric Plug Connection | : DIN 46340 3-Poles Connector (DIN 43650)                                                         |
| Connector Specification  | : ISO 4400 / EN 175301-803 Form A, Spade Plug (Cable Ø6-8 mm)                                     |
| Electrical Safety        | : IEC 335                                                                                         |
| Standard Voltages        | : AC 12V 15VA, 24V 15VA, 48V 15VA, 230V 15VA, 230V 24VA<br>DC 12V 18W, 24V 18W, 48V 18W, 110V 18W |

On request other voltages

Voltages Tolerance : AC -15%, +10% DC -5%, +10%

Frequency : 50 Hz (60 Hz...)

On request; Connector with LED, PWM Socket Specify coil voltage with order

### MATERIALS IN CONTACT WITH FLUID

|                           |                               |
|---------------------------|-------------------------------|
| Body                      | : Brass                       |
| Internal Parts            | : Stainless Steel, Brass      |
| Sealing                   | : VITON On request; EPDM, NBR |
| Shading Ring              | : Copper (EN 12735-1)         |
| Seats, Core Tube, Springs | : Stainless Steel             |

### OPTIONS

- Female connection: BSP; (On request NPT)
- On request CR-Ni plated, PTFE coated done
- On request Atex (exproof) coil.

### TECHNICAL FEATURES

Max. Viscosity : 5°E (-37cST veya mm²/s)

Response Time : Opening time : 400 ms  
Closing Time : 1000 ms

### SEALS FEATURES

NBR : -10°C...+80°C

EPDM : -10°C...+130°C

VITON : -10°C...+160°C

PTFE : -10°C...+160°C

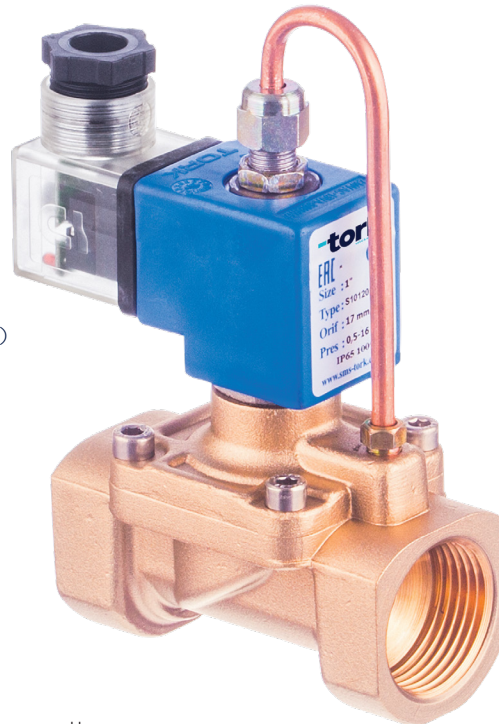
RUBY : -10°C...+160°C

### STANDARDS

• Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 1.20.3)) are available on request.

• TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

**Not:** Please look catalogues for more details.



HIGH PRESSURE

NORMALLY OPEN

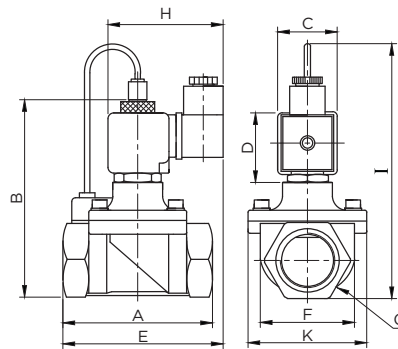
2/2 WAY

PILOT OPERATED

$\Delta P=0,5$



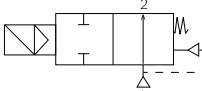
COMPRESSOR



Dimensions (mm)

|      | G  | A     | B  | C  | D    | E    | F  | K  | H     | I |
|------|----|-------|----|----|------|------|----|----|-------|---|
| 3/8" | 74 | 97    | 32 | 45 | 91,3 | 37,5 | 52 | 76 | 124   |   |
| 1/2" | 79 | 100   | 32 | 45 | 92   | 39,8 | 52 | 76 | 128   |   |
| 3/4" | 79 | 107,3 | 32 | 45 | 94   | 41,5 | 52 | 76 | 134   |   |
| 1"   | 85 | 115   | 32 | 45 | 101  | 42,5 | 52 | 76 | 143,5 |   |

| Coils         | Nominal Values | Cold/ Hot | Inrush | Holding | Current (A) | Surface Temperature (°C) |
|---------------|----------------|-----------|--------|---------|-------------|--------------------------|
| C40012VDC18W  | 12VDC 18W      | COLD      | 19,56  | 19,56   | 1,63        | 20                       |
|               |                | HOT       | 14,52  | 14,52   | 1,21        | 106                      |
| C40024VDC18W  | 24VDC 18W      | COLD      | 20,88  | 20,88   | 0,87        | 25                       |
|               |                | HOT       | 14,64  | 14,64   | 0,61        | 116                      |
| C40110VDC18W  | 110VDC 18W     | COLD      | 19,96  | 19,96   | 0,18        | 23                       |
|               |                | HOT       | 13,56  | 13,56   | 0,123       | 115                      |
| C40012VAC15VA | 12VAC 15VA     | COLD      | 23,81  | 16,43   | 1,3         | 25                       |
|               |                | HOT       | -      | 15,86   | 1,262       | 79                       |
| C40024VAC15VA | 24VAC 15VA     | COLD      | 25,82  | 15,02   | 0,62        | 22                       |
|               |                | HOT       | -      | 13,91   | 0,57        | 81                       |
| C40110VAC15VA | 110VAC 15VA    | COLD      | 30,65  | 15,17   | 0,137       | 24                       |
|               |                | HOT       | -      | 13,96   | 0,126       | 80                       |
| C40230VAC15VA | 230VAC 15VA    | COLD      | 31,4   | 15,64   | 0,068       | 25                       |
|               |                | HOT       | -      | 14,41   | 0,063       | 80                       |
| C40230VAC24VA | 230VAC 24VA    | COLD      | 45,1   | 23,92   | 0,0154      | 23                       |
|               |                | HOT       | -      | 21,62   | 0,0154      | 100                      |

| Solenoid Valve Symbol                                                               | Valve Type/ Order No | Connection Size | Orifice Size | Pressure min/max |     | Kv    | Seal  |         | Weight |
|-------------------------------------------------------------------------------------|----------------------|-----------------|--------------|------------------|-----|-------|-------|---------|--------|
|  | S5014                | G               | mm           | Bar              | Bar | l/min | Viton | Opsiyon | kg     |
|                                                                                     | S5014.02             | 3/8"            | 12,5         | 0,5              | 40  | 48    | ✓     | ✓       | 0,71   |
|                                                                                     | S5014.03             | 1/2"            | 14,5         | 0,5              | 40  | 70    | ✓     | ✓       | 0,74   |
|                                                                                     | S5014.04             | 3/4"            | 17           | 0,5              | 40  | 90    | ✓     | ✓       | 0,82   |
|                                                                                     | S5014.05             | 1"              | 17           | 0,5              | 40  | 90    | ✓     | ✓       | 0,99   |